

## Leading-edge technology developed jointly by:

- Argonne National Laboratory (under CCC sponsorship)
- Commodity Credit Corporation (CCC) of the U.S. Department of Agriculture

## QuickSite is:

- Based on ongoing, leading-edge research.
- Accepted by government regulators for site closure.
- The basis for the American Society for Testing and Materials (ASTM) "Standard Practice for Expedited Site Characterization of Vadose Zone and Groundwater Contamination at Hazardous Waste Sites" (ASTM Standard D6235) and required for use by all U.S. government agencies.
- A multidisciplinary, scientific team.
- Minimally intrusive or nonintrusive methods and technologies.
- Modular; use only the services you need.



## The Technical Team Edge

QuickSite offers fast, expert analysis by experienced, senior scientists who remain on the team from the initial site survey to the final report.

As required, your QuickSite team can employ a multidisciplinary team of professionals and scientists in a wide range of fields, including geology, hydrology, geophysics, mining, chemistry, computer science, logistics, engineering, and community relations (regulatory and logistics).

QuickSite was developed by Argonne National Laboratory under funding from the Commodity Credit Corporation of the U.S. Department of Agriculture. Argonne is operated by The University of Chicago as part of the U.S. Department of Energy's national laboratory system.

## For information about obtaining QuickSite services, contact:

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# OVERVIEW

## QuickSite®



*Proven Faster and  
Less Expensive for  
Environmental Characterization  
of Contaminated Sites*

**Bring Your Site  
into Focus — Faster**

# QuickSite® Overview

QuickSite is a flexible, iterative process that is customized for each site and contaminant. Multiple phases can be implemented in combination or individually, as required:

**Phase I** – Review any existing data for quality and completeness. Then integrate useful data to define the potential hydrogeologic framework and its controls on contaminant movement.

**Phase II** – Use the framework defined in Phase I to cost-effectively determine current contamination distribution in groundwater and soils.

**Phase III** – Predict the contamination's long-term fate and migration.

*The investigation may end within—or after—any phase, depending on the objectives of the program.*

## Key steps in the QuickSite process:

- Assemble a dedicated team of scientists with diverse expertise.
- Review existing site data and develop an initial hypothesis.
- Make the initial site visit and select appropriate sampling technologies.
- Submit to regulating agencies and clients a dynamic work plan outlining work to be performed.
- Conduct ongoing investigations and sampling.
- Perform ongoing data integration and analysis.
- Adjust the work plan (daily or as required) in response to new data.
- Transmit data daily to clients and regulators (as required).
- Prepare reports, predictive models, and remedy analyses (as required).
- Conduct advanced site remediation (as required).



## Reduce Costs and Closure Times

QuickSite reduced site characterization costs by 80-90% and closure times by 70-80% (compared to traditional methods) at former grain storage facilities of the U.S. Department of Agriculture. These costs and closure savings can also apply to a wide range of problems:

- Water resource development
- Land use planning
- Pollution prevention
- Contamination control

A QuickSite investigation saves costs in many ways. For example, the more focused study decreases the number of samples that must be collected and analyzed. In addition, using cone penetrometer technology, vegetation analysis, and other noninvasive or minimally invasive techniques reduces drilling and waste disposal costs and problems.

For more information, call  
**630-252-8795**

## SELECT FROM A COMPREHENSIVE LIST OF SERVICES AND CAPABILITIES

### Sampling

Innovative vegetation sampling and other nonintrusive and low-intrusion sampling methods result in minimal impact to a site and help reduce sampling time. Argonne's custom-built, all-track electronic cone penetrometer vehicle can access sites under almost any conditions to provide deeper, more accurate geologic and contaminant sampling.

### Analysis

Multiple state-of-the-art laboratory techniques and field methodologies ensure fast, accurate convergence on a solution.

### Mapping and Rapid Computer Simulation

Detailed computerized mapping and animated 3-D simulations illustrate a site's contamination history and its potential impact.

